

DixitKumar Patel | Embedded Engineer

Email: dixitpatel18.ec14@gmail.com

PH: 09427852025

H/16 Suvarna Appartment Ranip, Ahmedabad-382480.

Profile Objective

To associate with your company's world by pursuing a challenging, responsible, dynamic & rewarding career by applying my academic knowledge, skills & enthusiasm which will assist in my career advancement as well as organizational growth, both as an embedded system software developer.

Career Summary

- Working as an embedded engineer since Aug.2014 in Ahmedabad.
- Practical knowledge of microcontroller based embedded development.
- Good programming skills in Embedded C & Beginner in C++ programming language .
- Good knowledge of debugging software.
- Knowledge of Digital Electronics & Basic Electronics
- Electronics Systems Design with (Orcade) Schematic Capture
- Electronics System and PCB Design with Altium.

Work Summary

- Working at Philbrick Technologies (India) Pvt. Ltd., Ahmedabad
- Designation : Embedded Engineer
Department : R & D
Duration : From August 2014 to Till date

Job Responsibilities

- Embedded Software Development
- Logic Customization and Development
- Product Customization
- PCB design & layout checking

Educational Summary

- **B.E (Electronics & Communication)** – Completed with **6.51 CGPA** in June **2014** from Vishwakarma Govt. Eng. Collage (GTU), Chandkheda.

Software & Hardware Skills

- Languages : Embedded C
- IDE : Mplab X 3.10, Mplab v8.92, Altium 14.3.9 , Orcade v16.2, PSoC Creator 3.3
- Architecture : PIC18fxx, PIC16fxx, X8051, Cypress CY8C42xx
- SOC : PIC16f45k20, PIC16f887, PIC18f67k22, PIC16F1939, CY8C4245AXI-483 32-Bit ARM Cortex-M0
- Protocols : RS232, RS485, SPI, I2C
- Compiler/Debugger : C18, C30, HI-Tech, XC8
- Debugging Tools : PIC Kit3, ICD 3, PSoC MiniProg3
- Operating system : Microsoft Windows

Project Summary

- **Project Name : LOP Display System (XENON)**
Software : MPLAB IDE v 8.90
Hardware : PIC18F67K22, PIC16F1939, PIC16F887, Lm 35, DS1307(RTC)
Description : Xenon range is the main focus on the display products. In the elevator Display there are so many types of display like seven segment, Dot matrix(5x7 & 16x16), GLCD(240*128), color LCD, and Segment LCD etc. This products communicate with Main Controller Card.
- **Project Name : CAN Based COP & LOP Display System(XENON)**
Software : MPLAB IDE v 8.80
Hardware : PIC18f46k80, MCP2561
Description : Xenon range is the main focus on display product. In the elevator display there Are so many types of display like seven segments, Dot matrix, GLCD(240*128) ,color LCD, Segmented LCD, and touch LCD etc. Decibel audio devices are used For announcement. This products are communicates with Main Controller Card via CAN protocol.
- **Project Name : MIFARE & FINGER PRINT Based access control for Elevator System**
Software : MPLAB IDE v 8.90
Hardware : PIC18F67K22, SM-130 Mifare Module, RFID Tag, CAMA-SM25 Fingerprint Module
Description : The scope of the project includes design and development of customized hardware & software for Elevator. This system provided access control for the predefine Floors. This products communicate with Main Controller Card.

- **Project Name** : **Touch Based Car Operating Panel(COP)**
Software : CYPRESS PSoC Creator 3.3
Hardware : Cypress CY8C4245AXI-483 ARM Cortex-M0
Description : Developed software to sense the user valid touch as an input and based on those certain events has been handled in application code. COP sleep and wake up mode designed for power saving using proximity sensing.

Extra Projects

- 16x2 LCD interfacing using 8051 Microcontroller.
- Time-Date & Temperature Using DS1307(RTC), LM35(Temp.Sensor).
- Home-Automation using RN-171(Microchip)WIFI modules.
- Hands-on for the GPS and GSM module L70 and M95 (Quectel).
- 4-Station digital sequential Timer.
- Experience on Cypress Touch Applications.

Personal Details

Name : Patel DixitKumar Shaileshbhai
Date Of Birth : 12-01-1992
Marital Status : unmarried
Language Known : Gujarati, English, Hindi
Email : dixitpatel18.ec14@gmail.com
Permanent Address : H/15, Suvarn Appartment Nirnaynagar, Ranip , Ahmedabad – 382480

Declaration

I hereby declare that the above-mentioned information is correct and I bear the responsibility for the correctness for the above-mentioned particulars.

Place:

DixitKumar Patel